

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number  
**WO 2004/107950 A1**

(51) International Patent Classification<sup>7</sup>: **A47L 15/44,**  
D06F 39/02

(21) International Application Number:  
PCT/GB2004/002479

(22) International Filing Date: 9 June 2004 (09.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0313296.6 10 June 2003 (10.06.2003) GB

(71) Applicant (for all designated States except MN, US):  
**RECKITT BENCKISER N.V.** [NL/NL]; Kantoorge-  
bouw De Appelaer, De Fruittuinen 2-12, NL-2132 NZ  
Hoofddorp (NL).

(71) Applicant (for MN only): **RECKITT BENCKISER (UK)**  
**LIMITED** [GB/GB]; 103-105 Bath Road, Slough, Berk-  
shire SL1 3UH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PREUSCHEN,**

**Judith** [DE/DE]; Reckitt Benckiser Produktions GmbH,  
Benckiser Platz 1, 67059 Ludwigshafen (DE). **WIEDE-**  
**MANN, Ralf** [DE/DE]; Reckitt Benckiser Produktions  
GmbH, Benckiserplatz 1, 67059 Ludwigshafen (DE).

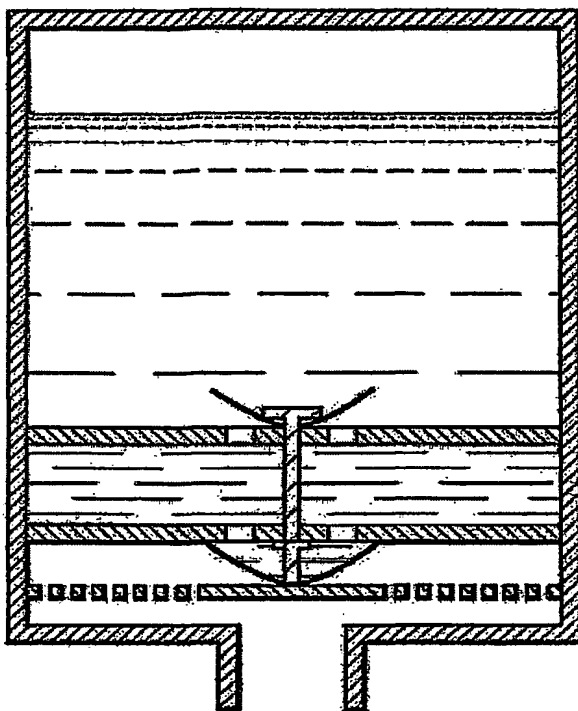
(74) Agents: **BOWERS, Craig, M.** et al.; Reckitt Benckiser  
plc, Group Patents Dept., Dansom Lane, Hull HU8 7DS  
(GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: AUTOMATIC WASHING MACHINE DETERGENT DISPENSING DEVICE



(57) Abstract: A portable automatic dishwasher detergent dispensing device comprises a body (3) enclosing a detergent (2). The amount of detergent (2) is sufficient for a plurality of wash cycles. The body (3) has an inlet aperture (5) to allow wash liquor to contact the detergent (2) and an outlet aperture (6) to allow the detergent loaded wash liquor to exit the body (3). The device (1) has means (12) to close the one or both (5, 6) of the apertures at or before the start of the dishwasher rinse cycle.

WO 2004/107950 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*